AUTODOC CLUB

How to change rear ABS sensor on **Audi A4 B5 saloon** – replacement guide

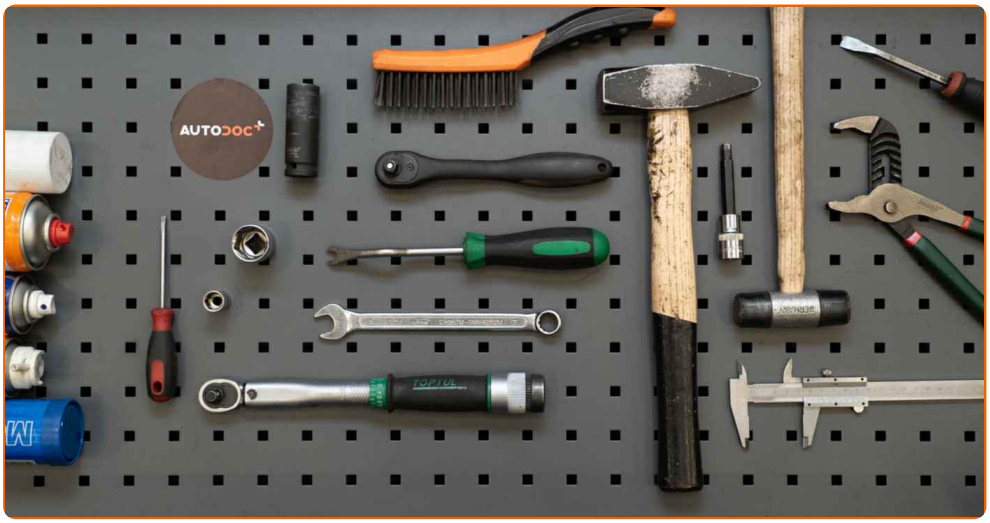
VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
AUDI A4 Saloon (8D2, B5) 1.8, AUDI A4 Saloon (8D2, B5) 1.8 T, AUDI A4 Saloon (8D2, B5) 1.9 TDI, AUDI A4 Avant (8D5, B5) 1.8, AUDI A4 Avant (8D5, B5) 1.8 T, AUDI A4 Saloon (8D2, B5) 2.8 (ACK,ALG,AMX,APR,AQD,AHA), AUDI A4 Saloon (8D2, B5) 2.4, AUDI A4 Avant (8D5, B5) 2.4, AUDI A4 Saloon (8D2, B5) 2.5 TDI, AUDI A4 Avant (8D5, B5) 2.5 TDI, AUDI A4 Avant (8D5, B5) 1.9 TDI

The steps may slightly vary depending on the car design.

REPLACEMENT: ABS SENSOR – AUDI A4 B5 SALOON.
TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- All-purpose cleaning spray
- Electronic spray
- Multipurpose grease
- Copper grease
- Torque wrench
- Combination spanner #15
- Drive socket # 13
- Drive socket # 24
- HEX bit No.H8
- Wheel impact socket #17
- Ratchet wrench
- Flat screwdriver
- Rubber mallet
- Vernier caliper
- Tap wrench
- Hammer
- Pincers
- Crow bar
- Wheel chock

BUY TOOLS

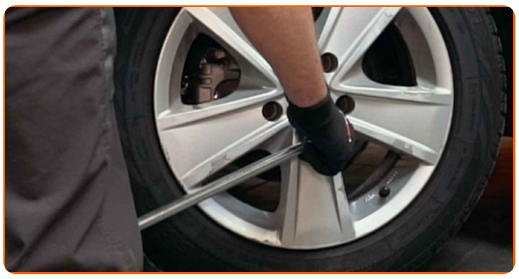
Replacement: ABS sensor – Audi A4 B5 saloon. Tip from AUTODOC experts:

- All work should be done with the engine stopped.

REPLACEMENT: ABS SENSOR – AUDI A4 B5 SALOON. USE THE FOLLOWING PROCEDURE:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the rear of the car and secure on supports.

4 Unscrew the wheel bolts.

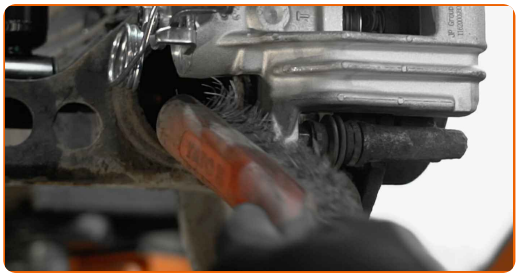
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. Audi A4 B5 saloon

5 Remove the wheel.

6 Clean the ABS sensor fastener.

7 Clean the brake caliper fasteners. Use a wire brush. Use a brake cleaner.



AUTODOC recommends:

- Replacement: ABS sensor – Audi A4 B5 saloon. After applying the spray, wait a few minutes.

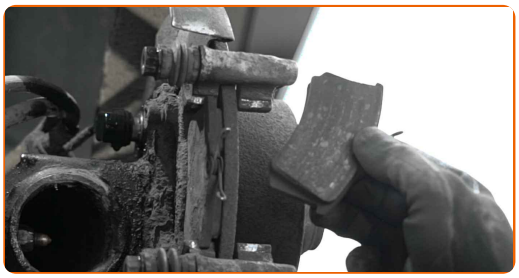
8 Unscrew the brake caliper fastening. Use a combination spanner #15. Use a drive socket #13. Use a ratchet wrench.

9 Remove the brake caliper. Use a crowbar.

Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.

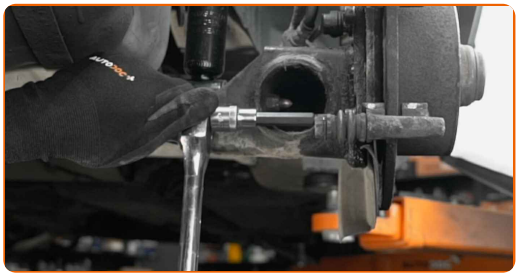
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

10 Remove the brake pads.



11 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.

12 Unscrew the caliper bracket fastening. Use HEX No.H8. Use a ratchet wrench. Use a tap wrench.



13 Remove the caliper bracket.

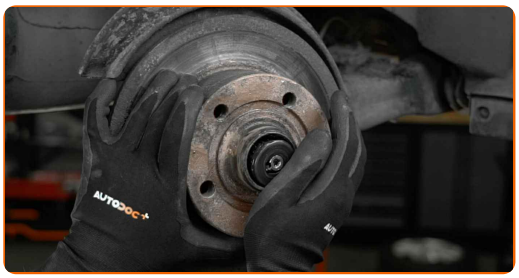
14 Clean the brake disc fastener. Use a wire brush. Use WD-40 spray.

15 Remove the wheel hub nut cap. Use a hammer. Use a crowbar.

16 Remove the cotter pin securing the hub nut. Use a crowbar. Use a flat screwdriver.

17 Unscrew the hub nut. Use a drive socket #24. Use a tap wrench.

18 Remove the brake disc assemled with the wheel hub bearing. Use a crowbar.



19 Clean the stub axle. Use a wire brush. Use all-purpose cleaning spray.

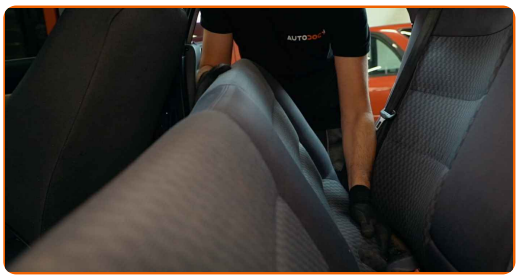
20 Clean the ABS sensor fastener. Use WD-40 spray.

21 Measure and note the distance between the ABS sensor and the brake disc. Use a vernier caliper.

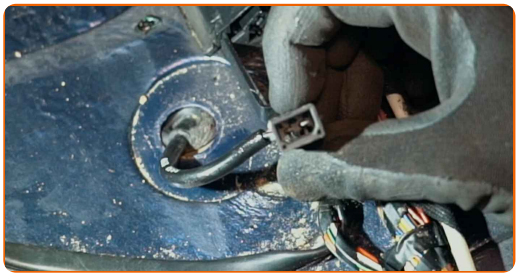
22 Disconnect the ABS sensor. Use pincers.

23 Disconnect the ABS sensor wiring. Use a crowbar.

24 Remove the rear seats.



25 Detach the ABS sensor connector.



26 Disconnect the ABS sensor. Use pincers.

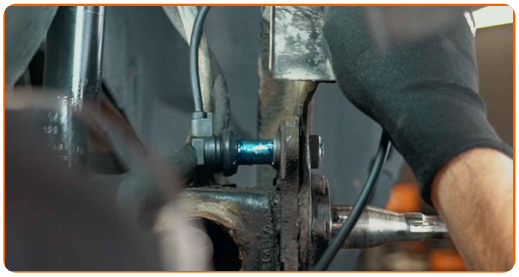
27 Clean the ABS sensor mounting seat. Use a wire brush. Use WD-40 spray. Use a brake cleaner.

AUTODOC recommends:

- Replacement: ABS sensor – Audi A4 B5 saloon. After applying the spray, wait a few minutes.

28 Treat the ABS sensor fastener. Use a multipurpose grease. Use a flat screwdriver.

29 Connect the ABS sensor.



Replacement: ABS sensor – Audi A4 B5 saloon. Tip from AUTODOC experts:

- When installing the ABS sensor, keep the required distance between it and the brake disc.

30 Connect the ABS sensor wiring. Use a crowbar.

31 Clean the stub axle. Use a brake cleaner.

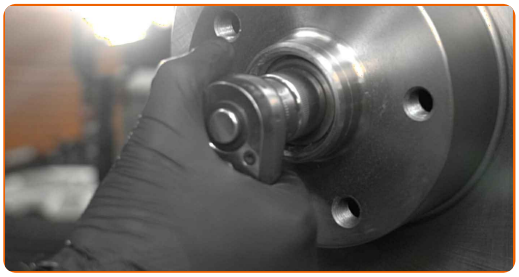
AUTODOC recommends:

- Replacement: ABS sensor – Audi A4 B5 saloon. After applying the spray, wait a few minutes.

32 Install the brake disc assembled with the wheel hub bearing.

33 Adjust the wheel bearing.

34 Screw on the hub nut. Use a drive socket #24. Use a ratchet wrench.



35 Install a new hub nut cotter pin. Use a hammer. Use a crowbar.

36 Install the cap of the hub nut. Use a rubber mallet.

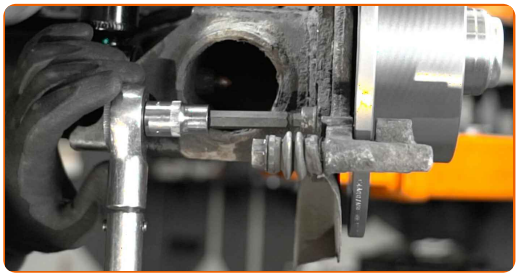
37 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.

Replacement: ABS sensor – Audi A4 B5 saloon. Tip:

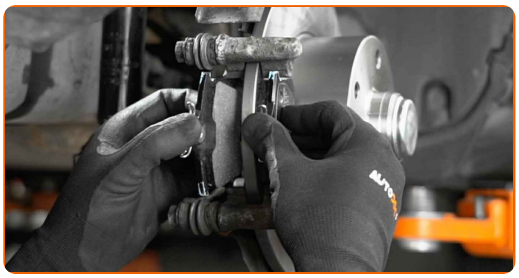
- After applying the spray, wait a few minutes.

38 Install the brake caliper bracket.

39 Tighten the brake caliper bracket. Use HEX No.H8. Use a torque wrench. Tighten it to 95 Nm torque.



40 Install the brake pads.



41 Install the brake caliper and fix it. Use a combination spanner #15. Use a drive socket #13. Use a torque wrench. Tighten it to 35 Nm torque.

42 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

43 Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: ABS sensor – Audi A4 B5 saloon. After applying the spray, wait a few minutes.

44 Install the wheel.

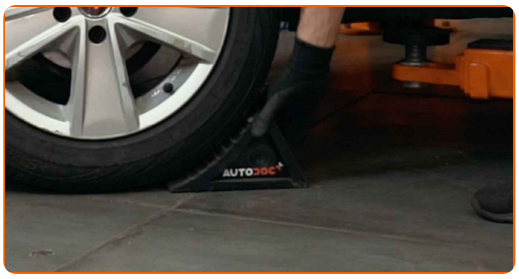
AUTODOC recommends:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

45 Screw in the wheel bolts. Use wheel impact socket #17.

46 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.

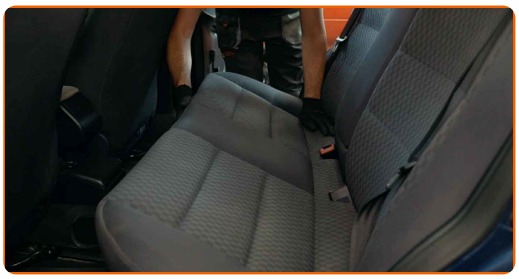
47 Remove the jacks and chocks.



48 Treat the ABS sensor connector. Use dielectric grease.

49 Attach the ABS sensor connector.

50 Install the rear seats.



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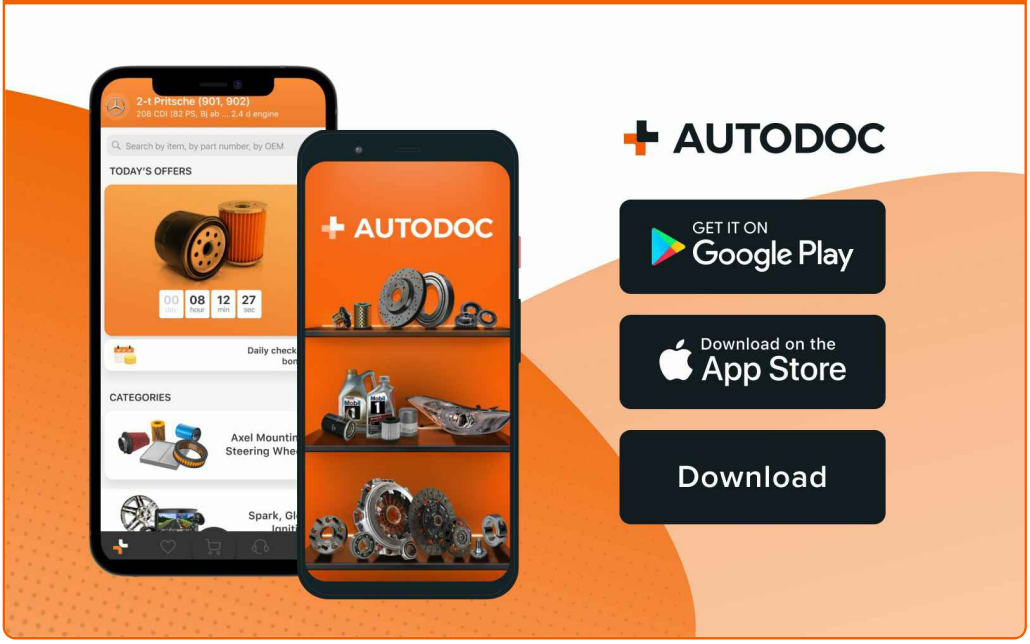

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